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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/887,763	06/22/2001	Jae-Wook Lee	678-684 (P9677)	8715

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EXAMINER

PEREZ, ANGELICA

ART UNIT	PAPER NUMBER
2684	

DATE MAILED: 02/26/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/887,763

Applicant(s)

LEE, JAE-WOOK

Examiner

Angelica M. Perez

Art Unit

2684

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 22 June 2001.  
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-9 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 1-9 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.  
10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☒ All b) ☐ Some \* c) ☐ None of:  
1. ☒ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 4-5.  
4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.  
5) ☐ Notice of Informal Patent Application (PTO-152)  
6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

2. Claims 1-4 are rejected under 35 U.S.C. 102(e) as being anticipated by Lee (Lee, Hae Kyu; US Pub. No.: 2002/0,022,503 A1).

Regarding claim 1, Lee teaches a method for displaying a message in a folder-type mobile terminal (figure 2) including a main body (figure 2, item 20), a sub-body foldably mounted to the main body (figures 1 and 2, item 15 in both figures), the sub-body having a first display mounted on an outer side (figure 1, item 30) and a second display mounted on an inner side (figure 2, item 35), the method comprising: upon receipt of a message, while the sub-body is folded to the main body (figure 5, items S20, S40, S50 S51 and paragraph 0015), displaying an indicator indicating receipt of

Art Unit: 2684

the message on the first display (page 3, paragraphs 0041 and 0042); and at a user's external display request, displaying the received message on the first display (page 4, lines 3 and 4 of claim 9; where the external request is "pressing a message button").

Regarding claim 2, Lee teaches all the limitations as stated in claim 1. In addition, Lee teaches where the user's external display request is received by pressing a key mounted on an outside of the folder-type mobile terminal (page 4, lines 3 and 4 of claim 9; where "button" corresponds to "key").

Regarding claim 3, Lee teaches all the limitations as stated in claim 1. In addition, Lee teaches where the received message is moved by shifting the received message by a predetermined number of bytes (page 3, paragraph 0045; where the scrolling of the message is done by shifting bytes).

Regarding claim 4, Lee teaches all the limitations of claim 1. Lee further teaches where displaying initial information selected from the group consisting of a RSSI bar, a battery icon, a date, a day and a current time on the first display at a user's external display release request (page 3, paragraph 0038; where the examiner has selected "intensity of wave reception" corresponding to "RSSI"; "date" and "time" have also been selected).

***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Lee (Lee, Hae Kyu; US Pub. No.: 2002/0,022,503 A1) in view of Lebby (Lebby et al., US Patent No.: 6,069,593).

Regarding claim 5, Lee teaches all the limitations of claim 4.

Lee does not specifically teach where the user's external display release request is received by pressing a key mounted on an outside of the folder-type mobile terminal.

Lebby, in related art concerning a multiple display portable electronic device, teaches where the user's external display release request is received by pressing a key mounted on an outside of the folder-type mobile terminal (column 4, lines 19-23 and 31-34).

It would have been obvious to a one of ordinary skill in the art at the time the invention was made to combine Lee's mobile terminal with external display and Lebby's external display release request in order to prolong the battery power of the device.

Art Unit: 2684

5. Claims 6, 7, 8 and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lee in View of Enns (Enns at al., Pub. No.: 2002/0,065,110 A1).

Regarding claim 6, Lee teaches all the limitations of claim 1. Lee further teaches of a received time and a callers phone number, following the received message, on the first display (page 3, paragraphs 0037 and 0040)

Lee does not teach the specific order indicated (time and phone number after message).

In related art dealing with displays, Enns teaches where the position and order of the received information can be programmed to appear as desired on the display (pages 1 and 2, paragraphs 0013 and 0014 and 0015 and 0016).

It would have been obvious to a one of ordinary skill in the art at the time the invention was made to combine Lee's arrangement display to receive a message with Enns's display customization in order to present information in any desired order.

Regarding claim 7, 8 and 9. Lee teaches upon receipt of a message, while the sub-body is folded, displaying an indicator indicating receipt of the message on the first display (page 3, paragraphs 0041 and 0042); upon receipt of a key input corresponding to a user's external display request (column 4, lines 19-23 and 31-34).

Lee does not specifically teach of determining whether the first display is set to a double-line display mode, or where the first display is not set to the double-line display mode and displaying the received message on the first display and displaying the message ahead of the caller's phone number and time.

Art Unit: 2684

In related art dealing with displays, Enns teaches where the position and order of the received information can be programmed to appear as desired on the display and determining whether the first display is set to a double-line display mode (pages 1 and 2, paragraphs 0013 and 0014 and 0015 and 0016).

It would have been obvious to a one of ordinary skill in the art at the time the invention was made to combine Lee's arrangement display to receive a messages with Enns's display customization in order to present information in any desired order including where the first display is not set to the double-line display mode as well as receiving the time and caller's phone number following the received message.

Art Unit: 2684

**Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Angelica Perez whose telephone number is 703-305-8724. The examiner can normally be reached on 7:15 a.m. - 3:55 p.m., Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung can be reached on 703-308-7745. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9314 for regular communications and for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the TC 2600's customer service number is 703-306-0377.



Angelica Perez  
(Examiner)

  
NAY MAUNG  
SUPERVISORY PATENT EXAMINER

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Art Unit 2684

February 18, 2004